

Set Name Query
side by side

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result set

DB--USPT; PLUR--YES; OP--ADJ

<u>L18</u>	('6518361' '4713420' '5270387' '5780549' '6531543' '5955540' '5041498')[PN]	7	<u>L18</u>
<u>L17</u>	l11 and L16	1	<u>L17</u>
<u>L16</u>	l10 not L15	1	<u>L16</u>
<u>L15</u>	l13 and l10	1	<u>L15</u>
<u>L14</u>	l6 and L13	10	<u>L14</u>
<u>L13</u>	l11 same L12	3232	<u>L13</u>
<u>L12</u>	shell or outer layer or superstrate	215752	<u>L12</u>
<u>L11</u>	methymethacrylate or butylmethacrylate or methacrylate	94845	<u>L11</u>
<u>L10</u>	l4 and L9	2	<u>L10</u>
<u>L9</u>	L8 not l6	2	<u>L9</u>
<u>L8</u>	bimodal.ab. and l7	4	<u>L8</u>
<u>L7</u>	core.ab. and shell.ab.	2460	<u>L7</u>
<u>L6</u>	l1 and L5	45	<u>L6</u>
<u>L5</u>	bimodal near4 L4	522	<u>L5</u>
<u>L4</u>	l2 or L3	169869	<u>L4</u>
<u>L3</u>	particle diameter	37612	<u>L3</u>
<u>L2</u>	particle size	154383	<u>L2</u>
<u>L1</u>	((525/71)!.CCLS.)	647	<u>L1</u>

END OF SEARCH HISTORY

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 AN 1997:701674 CAPLUS
 DN 127:347079
 TI Styrene resin compositions
 IN Yamada, Takeshi; Akimoto, Hisao; Aoki, Masahiko
 PA Denki Kagaku Kogyo K. K., Japan
 SO Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C08L051-04
 CC 37-3 (Plastics Manufacture and Processing)
 Section cross-reference(s): 39

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09278978	A2	19971028	JP 1996-86766	19960409 <--
PRAI	JP 1996-86766		19960409		

AB Title compns., useful to form fisheye-free and tough sheets or transparent and hot water-resistant moldings, comprise 50-95% (a) rubber-modified styrene (I) resins which have a molten viscosity (MV; at 240.degree. and shear rate 1.2 .times. 10³ s⁻¹) of 5 .times. 10²-5 .times. 10³ P and rubber content of .gtoreq.1% and <20% and consist of I-(meth)acrylate ester copolymers as the continuous phases and dispersed rubber particles with no.-av. diam. (Dn) of 0.1-3.5 .mu.m and 5-50% (b) rubber-modified I resins which have a MV of 103-104 P and rubber content of 20-60% and consist of I-(meth)acrylate ester-(meth)acrylonitrile copolymers as the continuous phases and dispersed rubber particles with Dn of 0.05-0.5 .mu.m. A mixt. of 80% Tufdene 2000-modified Me methacrylate (II)-I copolymer (having MV 1.5 .times. 10³ P, rubber content 3.6%, and Dn 1.25 .mu.m) and SBR-modified II-divinylbenzene copolymer (having MV 6.3 .times. 10³ P, rubber content 45.8%, and Dn 0.19 .mu.m) was extruded and injection molded into a tray showing break strength 150 kg-cm with good transparency and hot water resistance.

ST hot water resistance molding styrene resin; mech strength rubber modified styrene resin; toughness rubber modified styrene resin blend; transparency rubber modified styrene resin blend

IT Impact-resistant materials
 Transparent materials
 Water-resistant materials
 (rubber-modified styrene resin blends for sheets or moldings)

IT Polymer blends
 RL: TEM (Technical or engineered material use); USES (Uses)
 (rubber-modified styrene resin blends for sheets or moldings with mech. strength and transparency and hot water resistance)

IT 107080-92-2P, Butadiene-methyl methacrylate-styrene graft copolymer
 109170-18-5P, Butadiene-divinylbenzene-methyl methacrylate-styrene graft copolymer 110453-27-5P, Butadiene-butyl acrylate-divinylbenzene-methyl methacrylate-styrene graft copolymer 116661-33-7P, Butadiene-butyl acrylate-methyl methacrylate-styrene graft copolymer 131757-32-9P, Acrylonitrile-butadiene-divinylbenzene-methyl methacrylate-styrene graft copolymer
 RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (rubber-modified styrene resin blends for sheets or moldings with mech. strength and transparency and hot water resistance)